Control-M for Big Data
Deliver data-driven outcomes faster with application workflow orchestration

**PRODUCT DESCRIPTION**

To go from raw data to actionable intelligence, you need an enterprise-ready workflow orchestration product that can accelerate time to insights. Data platforms rely heavily on data movement and integration with the rest of your application ecosystem. Control-M helps you orchestrate and automate complex data pipelines across hybrid and multi-cloud environments and leading technologies to ensure consistent service levels.

**BUSINESS CHALLENGE**

Every day you ingest vast amounts of data from various sources, such as transactional systems of record, operational databases, logs, applications, sensors and devices. The data must be synchronized, ingested, consolidated, cleansed, and analyzed to give the actionable intelligence your business needs. Many disparate technologies are used to ingest, store, process and analyze the data. Orchestration of such workflows is difficult to build, and development is typically done with multiple disconnected scripts, which are time consuming to develop and maintain. This complexity limits the speed at which data applications can be delivered, making it difficult to adapt to the challenges posed by accelerated applications, disparate data, and increasingly diverse infrastructure.

**BMC SOLUTION**

With Control-M, you can orchestrate data workflows on premises and in the cloud, while managing complex workflow dependencies during ingestion and processing of data in many modern data platforms such as Amazon EMR, Azure Data Factory, Google Big Query, Spark, Hadoop, Snowflake. You get an end-to-end view of data pipelines at every stage, from ingestion and processing, to storage and analytics.

**KEY FEATURES**

Control-M simplifies workflow orchestration

**End-to-end visibility** – Manage data workflows through a simple drag-and-drop interface that provides universal visibility and control for all your workflows

**Rich ecosystem support** – Apache® Spark®, Apache® Oozie®, EMR, Snowflake, Azure Data Factory, Redshift and others

**Improved reliability** – Detects and prevents potential problems with forecasting features and predictive analytics; restarts can be attempted automatically without requiring human intervention

**Embedded in your DevOps toolchain** - Using a Jobs-as-Code approach, data workflows can be tested, versioned and deployed within a CI/CD toolchain

**KEY BENEFITS**

Makes implementation fast and accurate by replacing manual scripting with automated workflow orchestration and data integration, dramatically shortening development time, preventing coding errors, and reducing

Improves business focus instead of spending time building connectors and coordinating multiple tools

Control-M makes it easy to view, manage, and understand big data and associated workflows.
**PRODUCT DETAILS**

**Powerful, simple interface:** Users create and manage workflows via the interfaces they prefer. Graphical interfaces minimize the knowledge required of scheduling or Hadoop. Jobs are built and scheduled through wizard-like forms that include dropdown menus to simplify selection of the correct parameters and prevent input errors. Command line and programming interfaces enable developers to minimize scripting. Interfacing with enterprise applications, scheduling jobs, and monitoring their status are just as easy.

**Comprehensive support:** Control-M for Big Data can orchestrate workflows and integrate data from multiple sources. Supported solutions and formats include:

- **Big Data platforms and technologies** such as Hadoop, AWS EMR, Azure HDInsights, Spark, Oozie, Impala, DistCp, Pig®, Hive®, Sqoop®, Tajo®, Streaming, Hive Server 2, and Hadoop Distributed File System (HDFS) operations.
- **Enterprise Data Warehouses (EDW)** – AWS Redshift, Informatica®, IBM® InfoSphere® DataStage®, IBM DB2, Microsoft® SQL Server®, Oracle® databases, and others
- **Technologies** – FTP, sFTP, Web Services, Enterprise Java Beans (EJB), and Java® applications
- **ETL functions and business intelligence systems** – Informatica, IBM® Cognos®, SAP® BusinessObjects®, Oracle® Business Intelligence, and SQL Server SSIS
- **RDBMS** – Oracle, Sybase®, DB2/UDB, SQL Server, and PostgreSQL®
- **AWS Lambda, Step Functions, Batch, SQS, SNS and S3 Azure Logic Apps, Functions and Batch**
- **Backup systems** – Symantec® NetBackup® and IBM® Tivoli® Storage Manager
- **Operating systems** – Microsoft® Windows®, UNIX®, Linux®, IBM® z/OS®, IBM® iSeries®, Tandem®, and OpenVMS

**Self-service:** Users can monitor and manage their own workflows from any browser-based device, including mobile iOS® and Android™ devices

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**FOR MORE INFORMATION**
To learn more about Control-M for Big Data, please visit [bmc.com/it-solutions/control-m-big-data](http://bmc.com/it-solutions/control-m-big-data)

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**About BMC**
BMC helps customers run and reinvent their businesses with open, scalable, and modular solutions to complex IT problems. Bringing both unmatched experience in optimization and limitless passion for innovation to technologies from mainframe to mobile to cloud and beyond, BMC helps more than 10,000 customers worldwide reinvent, grow, and build for the future success of their enterprises.

**BMC – Run and Reinvent**

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